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CH1,VI-CL]-human-IgG1-[hinge]-human-IgG4-
CH1,VL-CL]-human-IgG4-[hinge]-human-IgG4-
ing to claim 1, in which said bispecific antibodies are
g.

REMARKS

The recitations added to claim 1 are taken from claim 22, now deleted. No new matter is presented. Entry of this amendment and reconsideration of the application are respectfully requested.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

- 1. (twice amended) Method for the preparation of a vaccine for immunization of humans and animals against tumor cells comprising the steps of:
- a) isolating autologous tumor cells;
- b) treating the tumor cells to prevent the survival thereof following reinfusion;
- c) incubating the thus treated tumor cells with intact heterologous bispecific [and/or tripecifie] antibodies showing the following properties:
 - α binding to a T cell;
 - β binding to at least one antigen on a tumor cell;
 - γ binding, by their Fc portion [(in the case of bispecific antibodies), or by a third specificity (in the case of trispecific antibodies)] to Fc receptor-positive cells capable of activating the Fc receptor-positive cell whereby the expression of cytokines, co-stimulatory antigens or both is induced or increased, wherein the bispecific antibodies are members selected from the group consisting of the following isotype combinations:

rat-IgG2b/human-IgG1,
rat-IgG2b/human-IgG3,
rat-IgG2b/human-IgG3[oriental allotype G3m(st) = binding to protein A],
rat-IgG2b/human-IgG4;

rat-IgG2b/rat-IgG2c;

mouse-IgG2a/human-IgG3[caucasian allotypes G3m(b+g) = no binding to protein A, in the following indicated as *]

mouse-IgG2a/mouse-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

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mouse-IgG2a/rat-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human- IgG3*-[CH2-CH31

mouse-IgG2a/human-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

mouse-[VH-CH1,VL-CL]-human-IgG1/rat-[VH-CH1,VL-CL]-human-[VH-CH1,VL-CL]-human-[VH-CH1,VL-CL]-human-[VH-CH1,VL-CL]-human-[VH-CH1,VL-CL]-human-[VH-CH1,VL-CL]-human-[VH-CH1,VL-CL]-human-[VH-CH1,VL-CL]-human-[VH-CH1,VL-CL]-human-[VH-CH1,VL-CL]-human-[VH-CH1,VL-CL]-human-[VH-CH1,VL-CL]-human-[VH-CH1,VL-CL]-hhuman-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

mouse-[VH-CH1,VL-CL]-human-IgG4/rat-[VH-CH1,VL-CL]-human-IgG4-[hinge]-human-IgG4[N-terminal region of CH2]-human-IgG3*[C-terminal region of CH2: > aa position 251]-human-IgG3*[CH3]

rat-IgG2b/mouse-[VH-CH1,VL-CL]-human-IgG1-[hinge-CH2-CH3]

rat-IgG2b/mouse-[VH-CH1,VL-CL]-human-IgG2-[hinge-CH2-CH3]

rat-IgG2b/mouse-[VH-CH1,VL-CL]-human-IgG3-[hinge-CH2-CH3, oriental allotype]

rat-IgG2b/mouse-[VH-CH1,VL-CL]-human-IgG4-[hinge-CH2-CH3]

human-IgG1/human-[VH-CH1,VL-CL]-human-IgG1-[hinge]human-IgG3*-[CH2-CH3]

human-IgG1/rat-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG4[Nterminal region of CH2]-human-IgG3*[C-terminal region of CH2: > aa position 251]-human-IgG3*[CH3]

human-IgG1/mouse-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG4[Nterminal region of CH2]-human-IgG3*[C-terminal region of CH2: > aa position 251]-human-IgG3*[CH3]

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 $\label{lem:human-IgG1-human-IgG1-human-IgG2-human-IgG2-human-IgG3-human-IgG3-human-IgG3-human-IgG3*[C-terminal region of CH2: > aa position 251]-human-IgG3*[CH3]$

 $\label{lem:human-IgG1/mouse-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG2[N-terminal region of CH2]-human-IgG3*[C-terminal region of CH2: > aa position 251]-human-IgG3*[CH3]$

human-IgG1/rat-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

human-IgG1/mouse-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

human-IgG2/human-[VH-CH1,VL-CL]-human-IgG2-[hinge]-human-IgG3*-[CH2-CH3]

human-IgG4/human-[VH-CH1,VL-CL]-human-IgG4-[hinge]-human-IgG3*-[CH2-CH3]

human-IgG4/human-[VH-CH1,VL-CL]-human-IgG4-[hinge]-human-IgG4[N-terminal region of CH2]-human-IgG3*[C-terminal region of CH2 : > aa position 251]-human-IgG3*[CH3]

mouse-IgG2b/rat-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

mouse-IgG2b/human-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

mouse-IgG2b/mouse-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG3*-[CH2-CH3]

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mouse-[VH-CH1,VL-CL]-human-IgG4/rat-[VH-CH1,VL-CL]-human-IgG4-[hinge]-human-IgG4-[CH2]-human-IgG3*-[CH3]

 $\label{lem:human-IgG1/rat-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG4-[CH2]-human-IgG3*-[CH3]} \\$

 $\label{lem:human-IgG1/mouse-[VH-CH1,VL-CL]-human-IgG1-[hinge]-human-IgG4-[CH2]-human-IgG3*-[CH3]} \\$

 $\label{lem:human-lgG4-human-lgG4-human-lgG4-human-lgG4-human-lgG4-human-lgG3*-[CH2]-human-lgG3*-[CH3]} \\$

rat/mouse.

20. (twice amended) Method according to claim 1, in which said bispecific [or trispecific] antibodies are added in an amount of 2 to 100 μg.